

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(Case No. 99,818)

PATENT

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J.D.S.  
11/18/02

In re Application of:

Mark O. Vogel et al.

Examiner: To Be Assigned

Serial No. 09/538,342

Art Unit: 2711

Filed: March 29, 2000

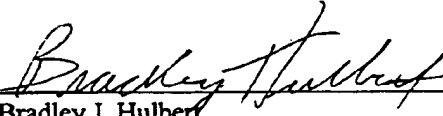
For: Method for Improved Cable Modem Ranging  
In A Data-Over-Cable System

**TRANSMITTAL LETTER**

Commissioner for Patents  
Washington, DC 20231

1. We are transmitting herewith the attached papers for the above-identified patent application:
  - 1) Fourth Supplemental Information Disclosure Statement (IDS) Letter
  - 2) Fourth Supplemental Information Disclosure Statement (IDS) PTO-Form 1449
  - 3) Copies of IDS Citations for 09/538,342 (3 Documents)
  - 4) Return Postcard
2. A check in the amount of \$0.00 is enclosed for the Filing Fee.
3. **GENERAL AUTHORIZATION TO CHARGE OR CREDIT FEES:** Please charge any additional fees or credit overpayment to Deposit Account No. 13-2490. A duplicate copy of this sheet is enclosed.
4. **CERTIFICATE OF MAILING UNDER 37 CFR § 1.8:** The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1 hereinabove, are being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on this 12<sup>th</sup> day of November, 2002.

By:

  
Bradley J. Hulbert  
Reg. No. 30,130

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
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Mark O. Vogel et al.

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For: Method for Improved Cable Modem Ranging  
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**FOURTH SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT LETTER**

Commissioner for Patents  
Washington, DC 20231

Dear Sir:

Pursuant to the duty of disclosure provided by 35 C.F.R. § 1.56 and §§ 1.97-98, the applicants wish to make the following references of record in the above-identified application. Copies of the references are enclosed. Copies are also listed in the PTO-1449 form enclosed herewith. It is requested that the documents be given careful consideration and that they be cited of record in the prosecution history of the present application so that they will appear on the face of the patent issuing from the present application.

Portions of the references may be material to the examination of the pending claims, however no such admission is intended. 37 C.F.R. 1.97 (h). The references have not been reviewed in sufficient detail to make any other representation and, in particular, no representation is intended as to the relative importance of any portion of the references. This Statement is not a representation that the cited references have effective dates early enough to be "prior art" within the meaning of 35 U.S.C. sections 102 or 103.

## CITED REFERENCES

### U.S. Patent Documents

Document Number	Date	Name
5,815,664	09-29-98	Asano
6,032,019	02-29-00	Chen et al.
6,442,158	08-27-02	Beser

Respectfully submitted,

Date: 11-12-02

By: Bradley J. Hulbert  
Bradley J. Hulbert  
Registration No. 30,130

FORM PTO-1449  
(Rev. 2-32)

U.S. Department of Commerce  
Patent and Trademark Office

Atty. Docket No.

99,818

Serial No.

09/538,342

**FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

Applicant:

Mark O. Vogel et al.

Filing Date:

March 29, 2000

Group:

2711

**U.S. PATENT**

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	1.	5,815,664	09-29-98	Asano	395	200.57	03-19-96
	2.	6,032,019	02-29-00	Chen et al.	455	5.1	01-20-99
	3.	6,442,158	08-27-02	Beser	370	352	05-27-98

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).**

EXAMINER	DATE CONSIDERED	

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Hon. Commissioner of      S/N: 09/538,342  
Patents and Trademarks  
Re: Applicant - Mark O. Vogel et al.

Atty      BJH:hm  
Case No. 99,818

"Method for Improved Cable Modem Ranging in a Data-Over-Cable System"

Sir:  
Please place the Patent Office receipt stamp hereon and mail to acknowledge receipt of:

- (1) Transmittal Letter in duplicate;
- (2) Fourth Supplemental Information Disclosure Statement;
- (3) Fourth Supplemental Form PTO-1449; and
- (4) 3 Cited References.

Fee Enclosed

Respectfully,  
McDonnell Boehnen Hulbert & Berghoff  
Attorney for Applicant

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Date Mailed: November 12, 2002

BEST AVAILABLE COPY